

ABSTRACT OF THE DISCLOSURE

A device for protecting the bearing of an electrical machine against the damaging passage of current, wherein the electrical machine comprises a stator and a rotor pivotally mounted relative to the stator by the bearing.

The device is provided with a compensation circuit which produces a
5 compensation current which compensates for a parasitic current formed during operation of the electrical machine by the bearing and a coupling element for directly or indirectly coupling the compensation current into the bearing.